

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings, of claims in the application:

Listing of Claims:

1-129. (Cancelled)

130. (Currently Amended) A personal computer, comprising:

a microchip, the microchip comprising:

at least four microprocessors, exclusive of a digital signal processor (DSP);

a non-volatile memory component;

a power management component; ~~and~~

at least one internal firewall with a hardware component, the internal firewall ~~capable of allowing and/or denying~~ configured to allow and/or deny access to portions of the microchip both to at least one user of the personal computer and to at least one user of the microchip from the network during shared use of the microchip, and the internal firewall being configured to deny access to portions of the microchip from the network; and

a wireless network connection mechanism configured to connect the personal computer to a network, the network comprising the Internet.

131. (Previously Presented) The personal computer of claim 137, wherein the wireless network connection mechanism is located on the microchip.

132. (Previously Presented) The personal computer of claim 137, wherein the network comprises the World Wide Web.

133. (Previously Presented) The personal computer of claim 137, wherein the personal computer comprises only one microchip.

134. (Previously Presented) The personal computer of claim 137, wherein the second personal computer is idled by a personal user.

135. (Previously Presented) The personal computer of claim 137, wherein the internal firewall is non-configurable hardware.

136. (Previously Presented) The personal computer of claim 137, wherein the personal computer is configured to function in a shared operation comprising at least the personal computer and a second computer connected to the network.

137. (Currently Amended) The personal computer of claim ~~139~~ 130, wherein the internal firewall is a hardware firewall.

138. (Previously Presented) The personal computer of claim 137, wherein the shared operation comprises shared file resources and/or message passing.

139. (Previously Presented) The personal computer of claim 130, wherein the shared use includes unauthorized shared use, such as intrusion by hackers from outside the personal computer.

140. (Previously Presented) The personal computer of claim 137, wherein the shared operation comprises multi-tasking or parallel processing.

141. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises a digital signal processor (DSP).

142. (Previously Presented) The personal computer of claim 137, wherein a random access memory (RAM) located on the microchip comprises a non-cache memory.

143. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises at least 8 microprocessors, exclusive of the digital signal processor (DSP).

144. (Previously Presented) The personal computer of claim 137, wherein the wireless network connection mechanism is configured to process a wireless signal that is dense wave division multiplexed (DWDM).

145. (Previously Presented) The personal computer of claim 137, wherein the network comprises a network server computer.

146. (Previously Presented) The personal computer of claim 137, wherein the network comprises an Intranet.

147. (Previously Presented) The personal computer of claim 137, wherein the internal firewall includes a firmware component.

148. (Previously Presented) The personal computer of claim 137, wherein the internal firewall is configured to deny access to at least a first microchip microprocessor of the personal computer by at least one other computer during a shared operation involving the personal computer and the at least one other computer of the network.

149. (Previously Presented) The personal computer of claim 148, wherein the internal firewall is further configured to allow access to at least a second microchip microprocessor of the at least one personal computer by at least one of the other computers of the network during the shared operation.

150. (Previously Presented) The personal computer of claim 137, wherein the personal computer is intended for personal use by at least one of an individual owner and a leaser of the personal computer.

151. (Previously Presented) The personal computer of claim 137, wherein the personal computer comprises a connection from the personal computer to the network, the connection having a speed of data transmission that is greater than a peak data processing speed of the personal computer.

152. (Previously Presented) The personal computer of claim 137, wherein the personal computer is controlled by a user of the personal computer through a wireless controller operated by the user.

153. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises at least 16 microprocessors, exclusive of the digital signal processor (DSP).

154. (Previously Presented) The personal computer of claim 137, wherein the microchip provides a graphics function.

155. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises a modem component.

156. (Previously Presented) The personal computer of claim 137, wherein the microchip provides a sound function.

157. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises a video function.

158. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises a magnetic memory component.

159. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises a BIOS (basic input/output system) component.

160. (Previously Presented) The personal computer of claim 159, wherein the BIOS component is located on a flash memory component.

161. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises at least part of a system bus component.

162. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises a transponder.

163. (Previously Presented) The personal computer of claim 137, wherein the personal computer comprises: a handheld personal digital assistant, a wearable computer, a television, a digital set-top control box, a video game, a videocam, a compact disc (CD) or a digital video disk (DVD) player/recorder, a radio, a camera, a household electronic device, or a business electronic device, or any combination thereof.

164. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises at least 32 microprocessors, exclusive of the digital signal processor (DSP).

165. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises at least 64 microprocessors, exclusive of the digital signal processor (DSP).

166. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises an analog computer.

167. (Previously Presented) The personal computer of claim 137, wherein a system bus of the microchip comprises a hierarchical connection architecture between at least some of the microprocessors.

168. (Previously Presented) The personal computer of claim 167, wherein the system bus comprises a binary tree network architecture between at least some of the microprocessors.

169. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises at least 128 microprocessors, exclusive of the digital signal processor (DSP).

170. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises at least 256 microprocessors, exclusive of the digital signal processor (DSP).

171. (Previously Presented) The personal computer of claim 137, wherein the personal computer comprises a direct optical fiber connection to the microchip.

172. (Previously Presented) The personal computer of claim 169, wherein at least some of the microprocessors have a non-superscalar architecture.

173. (Previously Presented) The personal computer of claim 137, wherein the microchip is connected to a hard disk drive controlled by the microchip.

174. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises a micro electromechanical (MEMS) component.

175. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises active configuration of an integrated circuit of the microchip.

176. (Previously Presented) The personal computer of claim 175, wherein the microchip comprises a field-programmable gate array.

177. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises at least 512 microprocessors, exclusive of a digital signal processor (DSP).

178. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises a hardware encryption component.

179. (Previously Presented) The personal computer of claim 137, wherein the personal computer comprises an encryption microchip.

180. (Previously Presented) The personal computer of claim 137, wherein the personal computer comprises a telephone.

181. (Previously Presented) The personal computer of claim 149, wherein the internal firewall is configured to deny access to at least the first microchip microprocessor of the personal computer by the other computers of the network during a shared operation involving the personal computer and at least one of the other computers of the network.

182. (Previously Presented) The personal computer of claim 137, wherein the non-volatile memory component comprises a flash memory component.

183. (Previously Presented) The personal computer of claim 149, wherein the internal firewall is configured to allow access to at least the second microchip microprocessor of the personal computer by the other computers of the network during the shared operation.

184. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises at least 1024 microprocessors, exclusive of the digital signal processor (DSP).

185. (Previously Presented) The personal computer of claim 184, wherein at least two of the microprocessors are used for parallel processing or multi-tasking.

186. (Previously Presented) The personal computer of claim 137, wherein the personal communications device comprises a pager.

187. (Previously Presented) The personal computer of claim 137, wherein the personal computer is mobile.

188. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises a television function.

189. (Previously Presented) The personal computer of claim 137, wherein the wireless network connection mechanism is configured to make a direct wireless connection to the second personal computer, the direct wireless connection being made without a network server or router.

190. (Previously Presented) The personal computer of claim 137, wherein the personal computer is configured for a substantially continuous wireless network connection.

191. (Previously Presented) The personal computer of claim 137, wherein the personal computer comprises an optical fiber network connection mechanism configured to connect the personal computer to the network and to process a fiber optic signal that is wave division multiplexed.

192. (Previously Presented) The personal computer of claim 191, wherein the optical fiber network connection mechanism is configured to process a fiber optic signal that is wave division multiplexed.

193. (Currently Amended) The personal computer of claim 183, wherein the internal firewall is configured to deny access to at least the second microchip microprocessor of the personal computer by at least one user of the personal computer during the shared operation

194. (Previously Presented) The personal computer of claim 137, wherein the personal computer comprises an automobile, a transportation device, or a robot, or any combination thereof.

195. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises an application-specific integrated circuit (ASIC).

196. (Previously Presented) The personal computer of claim 137, wherein the internal hardware firewall is configured to deny all network access to at least a portion of the non-volatile memory component.

197. (Previously Presented) The personal computer of claim 137, wherein the microchip comprises at least two or four digital signal processors (DSPs).

198. (Currently Amended) A personal computer, comprising:

a microchip, the microchip comprising:

at least four microprocessors, exclusive of a digital signal processor (DSP),

a power management component,

at least one internal firewall, the internal firewall being a hardware firewall ~~capable of allowing and/or denying~~ configured to allow and/or deny access to portions of the microchip both to at least one user of the personal computer and to at least one user of the microchip from the network during shared use of the microchip, and the internal firewall configured to deny access to portions of the microchip from the network; and

a wireless network connection mechanism configured to connect the personal computer to a network, the network comprising the Internet.

199. (Previously Presented) The personal computer of claim 198, wherein the internal firewall is configured to deny access to at least a first microchip microprocessor of the personal computer by at least one other computer during a shared operation involving the personal computer and the at least one other computer of the network, and

the internal firewall is further configured to allow access to at least a second microchip microprocessor of the at least one personal computer by at least one of the other computers of the network during the shared operation;

wherein the shared use includes unauthorized shared use, such as intrusion by hackers from outside the personal computer.

200. (Previously Presented) The personal computer of claim 199, wherein the internal firewall is configured to deny access to at least the first microchip microprocessor of the personal computer by the other computers of the network during a shared operation involving the personal computer and at least one of the other computers of the network; and

wherein the shared operation comprises shared file resources and/or message passing.

201. (Currently Amended) A personal computer, comprising:

a microchip, the microchip comprising:

at least four microprocessors, exclusive of a digital signal processor (DSP);

an analog communications component;

a power management component; and

at least one internal firewall, the internal firewall being a hardware firewall ~~capable of allowing and/or denying~~ configured to allow and/or deny access to portions of the microchip both to at least one user of the personal computer and to at least one user of the microchip from the network during shared use of the microchip, and the internal firewall being configured to deny access to portions of the microchip from the network; and

a wireless network connection mechanism configured to connect the personal computer to the network, the network comprising:

the Internet.

202. (Previously Presented) The personal computer of claim 201, wherein the internal firewall is configured to deny access to at least a first microchip microprocessor of the personal computer by at least one other computer during a shared operation involving the personal computer and the at least one other computer of the network, and

the internal firewall is further configured to allow access to at least a second microchip microprocessor of the at least one personal computer by at least one of the other computers of the network during the shared operation;

wherein the shared use includes unauthorized shared use, such as intrusion by hackers from outside the personal computer .

203. (Previously Presented) The personal computer of claim 202, wherein the internal firewall is configured to deny access to at least the first microchip microprocessor of the personal computer by the other computers of the network during a shared operation involving the personal computer and at least one of the other computers of the network;

wherein the shared operation comprises shared file resources and/or message passing.

204. (Currently Amended) A personal computer comprising:

a microchip, the microchip comprising:

at least four microprocessors, exclusive of a digital signal processor (DSP);

a digital signal processor (DSP);

a power management component; and

at least one internal firewall, the internal firewall being a hardware firewall ~~capable of allowing and/or denying~~ configured to allow and/or deny access to portions of the microchip

both to at least one user of the personal computer and to at least one user of the microchip from the network during shared use of the microchip, and the internal firewall being configured to deny access to portions of the microchip from the network; and

a wireless network connection mechanism configured to connect the personal computer to a network, the network comprising:

the Internet.

205. (Previously Presented) The personal computer of claim 204, wherein the internal firewall is configured to deny access to at least a first microchip microprocessor of the personal computer by at least one other computer during a shared operation involving the personal computer and the at least one other computer of the network, and

the internal firewall is further configured to allow access to at least a second microchip microprocessor of the at least one personal computer by at least one of the other computers of the network during the shared operation;

wherein the shared use includes unauthorized shared use, such as intrusion by hackers from outside the personal computer.

206. (Previously Presented) The personal computer of claim 205, wherein the internal firewall is configured to deny access to at least the first microchip microprocessor of the personal computer by the other computers of the network during a shared operation involving the personal computer and at least one of the other computers of the network; and

wherein the shared operation comprises shared file resources and/or message passing.

207. (Currently Amended) A personal computer, comprising:

a microchip, the microchip comprising:

at least four microprocessors, exclusive of a digital signal processor (DSP);

an active configuration of an integrated circuit of the microchip;

a power management component function of the personal computer; and

at least one internal firewall, the internal firewall being a hardware firewall ~~capable of allowing and/or denying~~ configured to allow and/or deny access to portions of the microchip both to at least one user of the personal computer and to at least one user of the microchip from the network during shared use of the microchip, and the internal firewall being configured to deny access to portions of the microchip from the network; and

a wireless network connection mechanism configured to connect the personal computer to a network, the network comprising:

the Internet.

208. (Previously Presented) The personal computer of claim 207, wherein the internal firewall is configured to deny access to at least a first microchip microprocessor of the personal computer by at least one other computer during a shared operation involving the personal computer and the at least one other computer of the network, and

the internal firewall is further configured to allow access to at least a second microchip microprocessor of the at least one personal computer by at least one of the other computers of the network during the shared operation;

wherein the shared use includes unauthorized shared use, such as intrusion by hackers from outside the personal computer.

209. (Previously Presented) The personal computer of claim 208, wherein the internal firewall is configured to deny access to at least the first microchip microprocessor of the personal computer by the other computers of the network during a shared operation involving the personal computer and at least one of the other computers of the network; and

wherein the shared operation comprises shared file resources and/or message passing.

210. (Currently Amended) A personal computer, comprising:

a microchip, the microchip comprising:

at least four microprocessors, exclusive of a digital signal processor (DSP);

a field-programmable gate array (FPGA);

a power management component; and

at least one internal firewall, the internal firewall being a hardware firewall ~~capable of allowing and/or denying~~ configured to allow and/or deny access to portions of the microchip both to at least one user of the personal computer and to at least one user of the microchip from the network during shared use of the microchip, and the internal firewall being configured to deny access to portions of the microchip from the network; and

a wireless network connection mechanism configured to connect the personal computer to the network, the network comprising:

the Internet.

211. (Previously Presented) The personal computer of claim 210, wherein the internal firewall is configured to deny access to at least a first microchip microprocessor of the personal computer by at least one other computer during a shared operation involving the personal computer and the at least one other computer of the network, and

the internal firewall is further configured to allow access to at least a second microchip microprocessor of the at least one personal computer by at least one of the other computers of the network during the shared operation;

wherein the shared use includes unauthorized shared use, such as intrusion by hackers from outside the personal computer.

212. (Previously Presented) The personal computer of claim 211, wherein the internal firewall is configured to deny access to at least the first microchip microprocessor of the personal computer by the other computers of the network during a shared operation involving the personal computer and at least one of the other computers of the network; and

wherein the shared operation comprises shared file resources and/or message passing.

213. (Currently Amended) A personal computer, comprising:

a microchip, the microchip comprising:

at least four microprocessors, exclusive of a digital signal processor (DSP);

a power management component; and

at least one internal firewall, the internal firewall being a hardware firewall ~~capable of allowing and/or denying~~ configured to allow and/or deny access to portions of the microchip both to at least one user of the personal computer and to at least one user of the microchip from the

network during shared use of the microchip, and the internal firewall being configured to deny access to portions of the microchip from the network; and

a wireless network connection mechanism configured to connect the personal computer to the network, the network comprising:

the Internet,

the wireless network connection mechanism comprising a capability to make a wireless connection to a second personal computer through at least one wireless link, and

the wireless connection being made without a network server or router.

214. (Previously Presented) The personal computer of claim 213, wherein the internal firewall is configured to deny access to at least a first microchip microprocessor of the personal computer by at least one other computer during a shared operation involving the personal computer and the at least one other computer of the network; and

the internal firewall is further configured to allow access to at least a second microchip microprocessor of the at least one personal computer by at least one of the other computers of the network during the shared operation;

wherein the shared use includes unauthorized shared use, such as intrusion by hackers from outside the personal computer.

215. (Previously Presented) The personal computer of claim 213, wherein the wireless network connection mechanism makes the wireless connection directly to the second personal computer through only one wireless link.

216. (Previously Presented) The personal computer of claim 213, wherein the wireless network connection mechanism comprises a capability to make a wireless connection to a third personal computer through only one wireless link, such that the third personal computer has a wireless connection to the second personal computer through the personal computer.

217. (Previously Presented) The personal computer of claim 214, wherein the internal firewall is configured to deny access to at least the first microchip microprocessor of the personal computer by the other computers of the network during a shared operation involving the personal computer and at least one of the other computers of the network; and

wherein the shared operation comprises shared file resources and/or message passing.

218. (Currently Amended) A personal computer, comprising:

a microchip, the microchip comprising:

at least four microprocessors, exclusive of a digital signal processor (DSP);

a non-volatile memory component;

a power management component; and

at least one internal firewall, the internal firewall being a hardware firewall ~~capable of allowing and/or denying~~ configured to allow and/or deny access to portions of the microchip both to at least one user of the personal computer and to at least one user of the microchip from the network during shared use of the microchip, and the internal firewall being configured to deny access to portions of the microchip from the network; and

a wireless network connection mechanism configured to connect the personal computer to the network, the network comprising:
the Internet.

219. (Previously Presented) The personal computer of claim 218, wherein the internal firewall is configured to deny access to at least a first microchip microprocessor of the personal computer by at least one other computer during a shared operation involving the personal computer and the at least one other computer of the network, and

the internal firewall is further configured to allow access to at least a second microchip microprocessor of the at least one personal computer by at least one of the other computers of the network during the shared operation;

wherein the shared use includes unauthorized shared use, such as intrusion by hackers from outside the personal computer.

220. (Previously Presented) The personal computer of claim 219, wherein the internal firewall is configured to deny access to at least the first microchip microprocessor of the personal computer by the other computers of the network during a shared operation involving the personal computer and at least one of the other computers of the network; and

wherein the shared operation comprises shared file resources and/or message passing.

221. (Currently Amended) A personal computer, comprising:

a microchip, the microchip comprising:

at least four microprocessors, exclusive of a digital signal processor (DSP);

a digital signal processor (DSP);

a power management component; and

at least one internal firewall, the internal firewall being a hardware firewall ~~capable of allowing and/or denying~~ configured to allow and/or deny access to portions of the microchip both to at least one user of the personal computer and to at least one user of the microchip from the network during shared use of the microchip, and the internal firewall being configured to deny access to portions of the microchip from the network; and

a wireless network connection mechanism configured to connect the personal computer to the network, the network comprising:

the Internet; and

the World Wide Web.

222. (Previously Presented) The personal computer of claim 221, wherein the internal firewall is configured to deny access to at least a first microchip microprocessor of the personal computer by at least one other computer during a shared operation involving the personal computer and the at least one other computer of the network, and

the internal firewall is further configured to allow access to at least a second microchip microprocessor of the at least one personal computer by at least one of the other computers of the network during the shared operation;

wherein the shared use includes unauthorized shared use, such as intrusion by hackers from outside the personal computer.

223. (Previously Presented) The personal computer of claim 222, wherein the internal firewall is configured to deny access to at least the first microchip microprocessor of the personal computer by the other computers of the network during a shared operation involving the personal computer and at least one of the other computers of the network; and

wherein the shared operation comprises shared file resources and/or message passing.

224. (Currently Amended) A personal computer, comprising:

a microchip, the microchip comprising:

at least four microprocessors, exclusive of a digital signal processor (DSP);

a digital signal processor (DSP);

a power management component; and

at least one internal firewall, the internal firewall being a hardware firewall ~~capable of allowing and/or denying~~ configured to allow and/or deny access to portions of the microchip both to at least one user of the personal computer and to at least one user of the microchip from the network during shared use of the microchip, and the internal firewall configured to deny access to portions of the microchip from the network; and

a wireless network connection mechanism configured to connect the personal computer to the network, the network comprising:

the Internet.

225. (Previously Presented) The personal computer of claim 224, wherein the internal firewall is configured to deny access to at least a first microchip microprocessor of the personal computer by at least one other computer during a shared operation involving the personal computer and the at least one other computer of the network, and

the internal firewall is further configured to allow access to at least a second microchip microprocessor of the at least one personal computer by at least one of the other computers of the network during the shared operation;

wherein the shared use includes unauthorized shared use, such as intrusion by hackers from outside the personal computer.

226. (Previously Presented) The personal computer of claim-225, wherein the internal firewall is configured to deny access to at least the first microchip microprocessor of the personal computer by the other computers of the network during a shared operation involving the personal computer and at least one of the other computers of the network; and

wherein the shared operation comprises shared file resources and/or message passing.

227. (Currently Amended) A personal computer, comprising:

a microchip, the microchip comprising:

at least four microprocessors, exclusive of a digital signal processor (DSP);

an application-specific integrated circuit (ASIC);

a power management component; and

at least one internal firewall;

the internal firewall being a hardware firewall ~~capable of allowing and/or denying~~ configured to allow and/or deny access to portions of the microchip both to at least one user of the personal computer and to at least one user of the microchip from the network during shared use of the microchip, and the internal firewall being configured to deny access to portions of the microchip from the network; and

a wireless network connection mechanism configured to connect the personal computer to the network, the network comprising:

the Internet.

228. (Previously Presented) The personal computer of claim 227, wherein the internal firewall is configured to deny access to at least a first microchip microprocessor of the personal computer by at least one other computer during a shared operation involving the personal computer and the at least one other computer of the network; and

the internal firewall is further configured to allow access to at least a second microchip microprocessor of the at least one personal computer by at least one of the other computers of the network during the shared operation;

wherein the shared use includes unauthorized shared use, such as intrusion by hackers from outside the personal computer.

229. (Previously Presented) The personal computer of claim 228, wherein the internal firewall is configured to deny access to at least the first microchip microprocessor of the personal computer by the other computers of the network during a shared operation involving the personal computer and at least one of the other computers of the network; and

wherein the shared operation comprises shared file resources and/or message passing.

230. (Previously Presented) The personal computer of claim 130, wherein the wireless network connection mechanism is configured to process a wireless signal that comprises multiplexing.

231. (Previously Presented) The personal computer of claim 130, wherein the wireless network connection mechanism is configured to process a wireless signal that is wave division multiplexed (WDM).

232. (Previously Presented) The personal computer of claim 199, wherein the internal firewall is configured to allow access to at least the second microchip microprocessor of the personal computer by the other computers of the network during the shared operation.

233. (Previously Presented) The personal computer of claim 232, wherein the internal firewall is configured to deny access to at least the second microchip microprocessor of the personal computer by at least one user of the personal computer during the shared operation.

234. (Previously Presented) The personal computer of claim 202, wherein the internal firewall is configured to allow access to at least the second microchip microprocessor of the personal computer by the other computers of the network during the shared operation.

235. (Previously Presented) The personal computer of claim 234, wherein the internal firewall is configured to deny access to at least the second microchip microprocessor of the personal computer by at least one user of the personal computer during the shared operation.

236. (Previously Presented) The personal computer of claim 205, wherein the internal firewall is configured to allow access to at least the second microchip microprocessor of the personal computer by the other computers of the network during the shared operation.

237. (Previously Presented) The personal computer of claim 236, wherein the internal firewall is configured to deny access to at least the second microchip microprocessor of the personal computer by at least one user of the personal computer during the shared operation.

238. (Previously Presented) The personal computer of claim 208, wherein the internal firewall is configured to allow access to at least the second microchip microprocessor of the personal computer by the other computers of the network during the shared operation.

239. (Previously Presented) The personal computer of claim 238, wherein the internal firewall is configured to deny access to at least the second microchip microprocessor of the personal computer by at least one user of the personal computer during the shared operation.

240. (Previously Presented) The personal computer of claim 211, wherein the internal firewall is configured to allow access to at least the second microchip microprocessor of the personal computer by the other computers of the network during the shared operation.

241. (Previously Presented) The personal computer of claim 240, wherein the internal firewall is configured to deny access to at least the second microchip microprocessor of the personal computer by at least one user of the personal computer during the shared operation.

242. (Previously Presented) The personal computer of claim 214, wherein the internal firewall is configured to allow access to at least the second microchip microprocessor of the personal computer by the other computers of the network during the shared operation.

243. (Previously Presented) The personal computer of claim 242, wherein the internal firewall is configured to deny access to at least the second microchip microprocessor of the personal computer by at least one user of the personal computer during the shared operation.

244. (Previously Presented) The personal computer of claim 219, wherein the internal firewall is configured to allow access to at least the second microchip microprocessor of the personal computer by the other computers of the network during the shared operation.

245. (Previously Presented) The personal computer of claim 244, wherein the internal firewall is configured to deny access to at least the second microchip microprocessor of the personal computer by at least one user of the personal computer during the shared operation.

246. (Previously Presented) The personal computer of claim 225, wherein the internal firewall is configured to allow access to at least the second microchip microprocessor of the personal computer by the other computers of the network during the shared operation.

247. (Previously Presented) The personal computer of claim 246, wherein the internal firewall is configured to deny access to at least the second microchip microprocessor of the personal computer by at least one user of the personal computer during the shared operation.

248. (Previously Presented) The personal computer of claim 228, wherein the internal firewall is configured to allow access to at least the second microchip microprocessor of the personal computer by the other computers of the network during the shared operation.

249. (Previously Presented) The personal computer of claim 248, wherein the internal firewall is configured to deny access to at least the second microchip microprocessor of the personal computer by at least one user of the personal computer during the shared operation.

250. (Previously Presented) The personal computer of Claim 198, wherein said microchip comprises at least 64 microprocessors.

251. (Previously Presented) The personal computer of Claim 198, wherein said microchip comprises at least 1024 microprocessors.

252. (Previously Presented) The personal computer of Claim 201, wherein said microchip comprises at least 64 microprocessors.

253. (Previously Presented) The personal computer of Claim 201, wherein said microchip comprises at least 1024 microprocessors.

254. (Previously Presented) The personal computer of Claim 204, wherein said microchip comprises at least 64 microprocessors.

255. (Previously Presented) The personal computer of Claim 204, wherein said microchip comprises at least 1024 microprocessors.

256. (Previously Presented) The personal computer of Claim 207, wherein said microchip comprises at least 64 microprocessors.

257. (Previously Presented) The personal computer of Claim 207, wherein said microchip comprises at least 1024 microprocessors.

258. (Previously Presented) The personal computer of Claim 210, wherein said microchip comprises at least 64 microprocessors.

259. (Previously Presented) The personal computer of Claim 210, wherein said microchip comprises at least 1024 microprocessors.

260. (Previously Presented) The personal computer of Claim 213, wherein said microchip comprises at least 64 microprocessors.

261. (Previously Presented) The personal computer of Claim 213, wherein said microchip comprises at least 1024 microprocessors.

262. (Previously Presented) The personal computer of Claim 218, wherein said microchip comprises at least 64 microprocessors.

263. (Previously Presented) The personal computer of Claim 218, wherein said microchip comprises at least 1024 microprocessors.

264. (Previously Presented) The personal computer of Claim 221, wherein said microchip comprises at least 64 microprocessors.

265. (Previously Presented) The personal computer of Claim 221, wherein said microchip comprises at least 1024 microprocessors.

266. (Previously Presented) The personal computer of Claim 224, wherein said microchip comprises at least 64 microprocessors.

267. (Previously Presented) The personal computer of Claim 224, wherein said microchip comprises at least 1024 microprocessors.

268. (Previously Presented) The personal computer of Claim 227, wherein said microchip comprises at least 64 microprocessors.

269. (Previously Presented) The personal computer of Claim 227, wherein said microchip comprises at least 1024 microprocessors.

270. (New) The personal computer of claim 137, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

271. (New) The personal computer of claim 198, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

272. (New) The personal computer of claim 201, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

273. (New) The personal computer of claim 204, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

274. (New) The personal computer of claim 207, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

275. (New) The personal computer of claim 210, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

276. (New) The personal computer of claim 213, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

277. (New) The personal computer of claim 218, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

278. (New) The personal computer of claim 221, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

279. (New) The personal computer of claim 224, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

280. (New) The personal computer of claim 227, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.